

2015 California Trauma Summit

The California Trauma System 2015: Status & priorities

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Primary goals of the CA trauma system

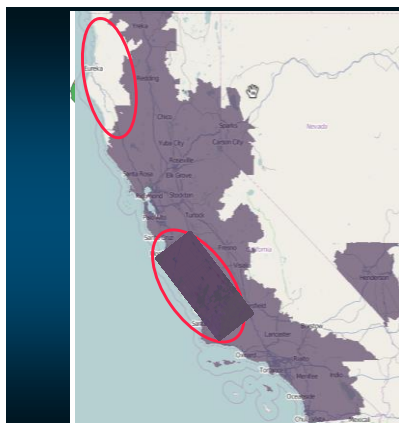
- Providing timely access to trauma care throughout the 'system'
- Promoting the delivery of optimal trauma care throughout the continuum
- Improving community health & wellness



The State system: Where are we? What's next?

Filling in the holes

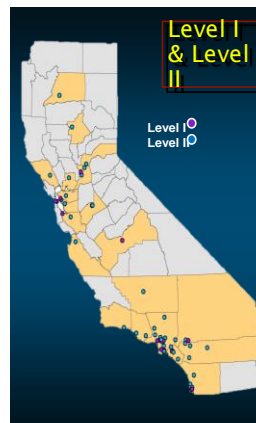
- North Coast
 - No LII or LIII centers still...
- Central Coast
 - Marian MC (Santa Barbara) L III
 - Natividad (Monterey) LII
- South
 - Cottage SB - Pedi LII
- North
 - Kaiser Vacaville upgrade LII
 - San Joaquin County - L III

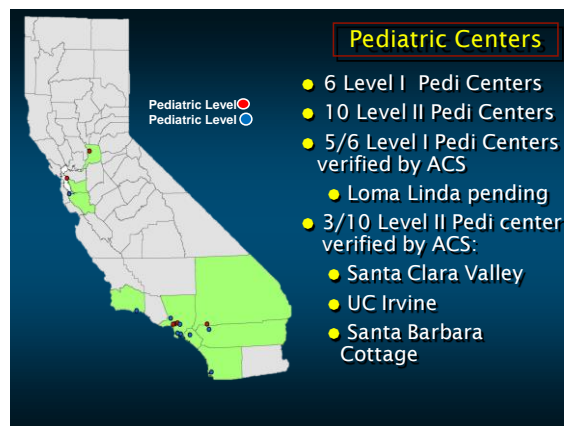


Level I & Level II

Level I
Level II

- 13 Level 1 Adult Centers
- 38 Level 2 Adult Centers
- 12/13 Level 1 Center are verified by ACS
 - Loma Linda still pending
- 28/38 Adult LII centers are ACS verified. Not verified:
 - Desert Regional
 - Eden Med Cen
 - HM Newhall
 - Kern County
 - Long Beach Memorial
 - Mercy Med Cen Redding
 - Memorial Modesto
 - Riverside Community
 - SW Healthcare, Wildomar





Topics

- The California Trauma Plan 2014/2015
- Roll-out of the 2014 'Optimal Resources' manual from the ACS-COT
- Regional network development - why this is important
- System-oriented performance improvement
- Data - making use of the State Trauma Registry
- Evaluating our current system: role of the ACS

California Statewide Trauma Plan

2015	2016	2017
X	X	?

Emergency Medical Services Authority
California Health and Human Services Agency

EMSA #15-301
Public Comment DRAFT 1.1, March 21, 2014

- ~40 pages, 7 appendices
- Lots of comments & adjustments
- Originally scheduled for EMS Commission Dec '14
- Continues to be under review at HHSA

RESOURCES 2014
FOR OPTIMAL CARE OF THE INJURED PATIENT

COMMITTEE ON TRAUMA
AMERICAN COLLEGE OF SURGEONS

Highlights...

- Requirements for LIV
- New requirement for diversion & transfers
- OPPE for trauma panel
- defined response for all trauma admissions
- 30" n. surg reponse
- In-house anesth for LI and LII centers
- tracking over/under triage (PI)
- risk-adj. benchmarking

Regional network development

- Regional network: The basic unit of a trauma system
- Anchored by LI or LII center, referring LIII, LIV, NTCs - all participating in system
- Unified field triage guidelines tailored to regional network
- Utilizes system of 'managed' re-triage
- Utilizes regional cooperative agreements
- All hospitals participate in regional PI

Tale of two regional networks:

- 66 y/o F, MVC. Admitted to NTC, c/o chest pain. CXR wide mediastinum. Delay in CT. CT = blunt aortic injury. BP 180/90. Calls made to several hospitals. Distant LI finally agreed to accept. 4+ hour delay in transport. Arrived in extremis almost 7 hrs. after injury => expired.
- 77 y/o M, fall from roof. Admitted to NTC c/o chest pain. No delay in CT scan - aortic tear at aortic root. BP controlled w/ beta-blockade. Immediate transport to network LI center. Direct to OR => survived w/o complications.

Managed re-triage

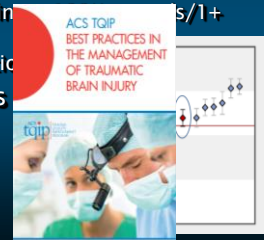
- Under triage is inevitable:
 - occult injury, errors, logistics, geography, etc.
- Goal of 5% under-triage laudable but not practicable in some areas
- System must minimize impact of under-triage
 - Trauma Center outreach / education
 - Practice management guidelines for assessment & rx.
 - Communication & information transfer
 - Regional co-op agreements
 - Regional system & case-based P.I.

Comprehensive Regional Co-op agreements

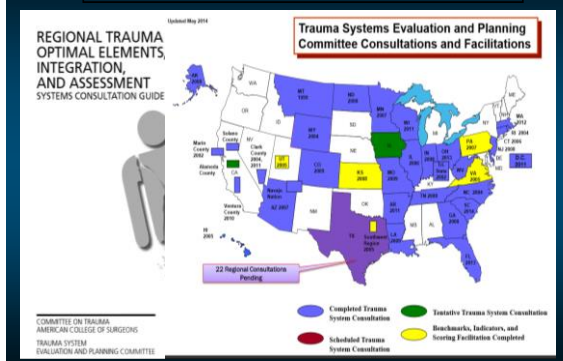
- Confidentiality, indemnification, etc.
- Notifications
- Clinical re-triage guidelines
- Conditional 'no-refusal'
- Information sharing & participation in P.I.
- Repatriation
- Reimbursement
- Outreach (CME, PMGs, tele-med, etc.)

System-oriented PI

- Access to care metrics
- Comparative TC outcomes analysis (TQIP)
 - 67/77 centers reporting 1+ years
 - mortality & complication
- Case-based analysis
- Process standards



External Trauma System Evaluation



Title 22: Time for revision...

- Mandatory plan for trauma system ?
- Population-based restriction ?
- Assuring timely access-to-care ?
- Improve cohesiveness: State & local plans ?
- Improve data consistency & capture ?
- Enhanced trauma center assessment
 - Required (ACS) verification for LI & LII centers ?
- Enhanced trauma center P.I. requirements
- Participation requirements for NTCs ?
- Facilitated transfer (re-triage) of patients ?

Tomorrow: Summit "work group"
focus

- Utilization of CEMIS, TQIP
- Alignment of State and local Trauma Plans
- Methods & process for revision to Title 22
- Integrating pediatric trauma care

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